

CLAIMS

What is claimed is:

1. A transmission management device of a server implemented with a serial port RS232 and a bus, the transmission management device comprising:

5 a transmission system connected with an independent sub-system of the server for receiving and storing data and commands of the server and for transmitting the data and the commands of the server to the independent sub-system;

10 a control system connected with the transmission system for receiving data and commands from an external system and interrupt signals of the server and for transmitting the information, commands and interrupt signals to the independent sub-system through the bus; and

15 an I/O system connected with the external system for transmitting the data and the commands of the external system to the transmission system and the control system, and for transmitting the data and the commands of the server to the external system.

2. The transmission management device of claim 1, wherein the transmission system comprises:

20 a connecting unit connected with the independent sub-system for connections with the independent sub-system and for transmitting the data and the commands of the server;

a control unit connected with the connecting unit for temporarily storing and converting the data and the commands to asynchronous signals, for transmitting the asynchronous signals to the connecting unit, and for transmitting the interrupt signal to a CPU; and

a decoding unit connected with the control system for receiving the data transmitted from the control system and for transmitting the information to the control unit after decoding.

3. The transmission management device of claim 2, wherein the connecting unit is a
5 serial port RS232 connecting device.

4. The transmission management device of claim 2, wherein the control unit is an UART (Universal Asynchronous Receiver/Transmitter) with a FIFO (First-In-First-Out) function.

5. The transmission management device of claim 1, wherein the control system
10 comprises:

a network connector for connecting with the external system;

a system control unit connected with the network connector for transmitting the data and the commands of the external system and the interrupt signals to the transmission system and to the independent sub-system through the bus; and

15 a memory unit connected with the system control unit for storing the data and the commands of the external system.

6. The transmission management device of claim 5, wherein the system control unit is a SOC (System On Chip).

7. The transmission management device of claim 5, wherein the memory unit is a
20 SDRAM (Synchronous Dynamic Random Access Memory).

8. The transmission management device of claim 5, wherein a PCI Bus is installed between the network connector and the system control unit.

9. The transmission management device of claim 5, wherein a memory bus is

installed between the control unit and the memory unit.

10. The transmission management device of claim 5, wherein a data bus is installed between the transmission system and the control system.

11. The transmission management device of claim 1, wherein the I/O system contains:

5 a receiving unit connected with the external system;

an I/O unit connected with the receiving unit for receiving the data and the commands of the external system and transmitting the data and the commands to the transmission system and the control system; and

10 a ROM unit connected with the bus for storing the data and the commands of the server.

12. The transmission management device of claim 12, wherein the I/O unit is a super I/O.

13. The transmission management device of claim 11, wherein the ROM unit is a ROM.

15 14. The transmission management device of claim 1, wherein the interrupt signals are transmitted to the CPU by parallel connections.

15. The transmission management device of claim 1, wherein the interrupt signals are transmitted to the CPU by serial connections.

16. The transmission management device of claim 1, wherein the bus is an I2C bus.

20 17. The transmission management device of claim 16, wherein the bus contains an I2C bus-switching device for switching the bus signals, thereby transmitting the signals to the different independent sub-systems.

18. The transmission management device of claim 5, wherein the system control unit transmits the data and the commands of the external system to the transmission system through the decoding unit.